

NO: ECT1MO4020
DATE: June 30, 2020
TO: Refrigeration Customers
FROM: Emerson Commercial & Residential Solutions
SUBJECT: Copeland Scroll™ ZXV Variable Speed Condensing Unit
EFFECTIVE DATE: Effective Immediately

Emerson Commercial & Residential Solutions is pleased to announce the launch of new additions to **Copeland Scroll™ ZXV variable speed condensing units** for refrigeration medium temperature and low temperature applications. Model name and performance of the new additions are listed in Table 1.

Table 1. ZXV New Models

Model	Application	Performance (R404A)			
		Maximum Capacity	Nominal Speed	Nominal Capacity	Nominal COP
ZXV130BE	Medium Temperature	13.0 kW ¹⁾	4500 RPM	10.0 kW ²⁾	2.3
ZXLV050BE	Low Temperature	5.2 kW ³⁾	4500 RPM	4.1 kW ⁴⁾	1.2

- 1) Medium temperature maximum capacity: evaporating -10°C, ambient 40°C, return gas 18°C
- 2) Medium temperature nominal: evaporating -10°C, ambient 32°C, return gas 18°C
- 3) Low temperature maximum capacity: evaporating -32°C, ambient 40°C, return gas 5°C
- 4) Low temperature nominal: evaporating -32°C, ambient 32°C, return gas 5°C

ZXV variable speed condensing unit is developed based on Next Generation ZX platform featured with CoreSense™ protection, diagnostics and communication, and designed for high efficiency, high reliability and premium electronics capability. ZXV design adopts Emerson brand-new Refrigeration variable speed technology with high-efficient scroll and motor, also inherits the merits of ZX platform from Emerson's long experience of condensing unit design and production.



Figure 1. ZXV Variable Speed Condensing Unit

Along with the launch of new models, the list of ZXV variable speed condensing unit models are shown in Table 2.

Table 2. ZXV Model List

Model	Voltage	BOM Code		Model	Voltage	BOM Code	
		451	551			451	551
ZXV065BE-4XD	3 phase, 380-420V, 50Hz	x	x	ZXV065BE-4XK	3 phase, 380-420V, 60Hz	x	x
ZXV085BE-4XD		x	x	ZXV085BE-4XK		x	x
ZXV130BE-4XD		x	x	ZXV130BE-4XK		x	x
ZXLV030BE-4XD		x	x	ZXLV030BE-4XK		x	x
ZXLV040BE-4XD		x	x	ZXLV040BE-4XK		x	x
ZXLV050BE-4XD		x	x	ZXLV050BE-4XK		x	x

Note: BOM-451 = chassis w/ hinged door; BOM-551 = chassis w/ front panel

If any additional information is required, please contact your Emerson Sales Office or Application Engineering in your region, or visit Emerson webpage: <https://climate.emerson.com/en-sg>